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BRACHIOPODA

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H. M. MUIR-WOOD, D.Sc.

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H. M. MUIR-WOOD, D.Sc.

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Colour-banding. — *Lingula* from Ordovician of Esthonia and Cenomanian, **SCHWARZBACH 137**.

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NOTE.—Classification mainly according to C. Schuchert and C. M. Le Vene in *Fossilium Catalogus* 1 42 Brachiopoda 1929; and as emended by Schuchert & Cooper, *Mem. Peabody Mus. Yale* 4 1 1932.

Full references are given only in the case of new genera or species. In other cases the numeral in "Large bold Clarendon" refers to the list of titles where the full reference will be found. In the case where a reference is given in the Systematic Part the volume number is printed in "Small bold Clarendon."

ORDER ATREMATA

OBOLACEA

MICROMITRIDAE

†*Mickwitzia* cf. *formosa* figd. pl. lxviii p. 35, TERMIER & TERMIER 154.

†*Micromitra etheridgei* p. 125 fig., DAVID & BROWNE 37.

OBOLIDAE

†? *Lingulella corralensis* sp. n. p. 80, *subdivisa* sp. n. p. 81 Cambrian Argentine, RUSCONI *Rev. Mus. Hist. Nat. Mendoza* 4 3-4 1950.

Lingulella solitariensis sp. n. p. 88 figd., Cambrian Mendoza Prov. Argentine, RUSCONI *Rev. Mus. Hist. nat. Mendoza* 4 3-4 1950; *L. terranova* figd. pl. lxvii p. 36, 134, sp. cf. *quadrilateralis* figd. pl. lxviii p. 35, TERMIER & TERMIER 154.

†*Lingulepis* cf. *acuminata* p. 43 figd., Hsü & MA 80.

†*Obolus* sp. figd. pl. lxviii p. 36, TERMIER & TERMIER 154; *O. lasherensis* figs. p. 160, RUSCONI 127; *O. pirquinensis* sp. n. Cambrian Argentine, RUSCONI *Rev. Mus. Hist. Nat. Mendoza* 4 3-4 1950 p. 80 fig. 13.

†*Obolus* [err. pro *Obolus*] *lasherensis* sp. n. Lower Ordovician Argentine, RUSCONI *Rev. Mus. hist. nat. Mendoza* 4 3-4 1950 p. 63.

LINGULACEA

LINGULIDAE

Glottidia discussed p. 10, *albida* p. 12, *audebarti* p. 16, *palmeri* p. 17,

pyramidata p. 19, *semen*, sp. p. 20 all figd., HERTLEIN & GRANT 74.

†*Glottidia* discussed distribution p. 10, *albida* from Eocene, Miocene, Pliocene and Pleistocene p. 12, *inexpectans* p. 17, sp. p. 20, all figd., HERTLEIN & GRANT 74.

†*Lingula* sp. figd., ELLISON 46; *L.* spp. from U^r. Valentian, Shropshire, WHITTARD & BARKER 171 p. 555. *L.* sp. figd. pl. lxvii p. 35, p. 134 *testis*, sp. figd. pl. lxviii, p. 35, TERMIER & TERMIER 154; *L. mytiloides*, *squamiformis* p. 525 figd., SCHWARZBACH 137; *L.* figd. p. 15, SCHWAN 136.

†*Lingula (Lingulipora) williamsana* figd., ELLISON 46.

TRIMERELLACEA

ELKANIIDAE

†*Elkania* sp. figd. pl. lxviii p. 36, TERMIER & TERMIER 154.

ORDER NEOTREMATA

SIPHONOTRETACEA

OBOLELLIDAE

†*Obolella wirrealpensis* p. 125 fig., DAVID & BROWNE 37.

SIPHONOTRETIDAE

†*Schizambon* sp. figd. pl. lxviii p. 36, TERMIER & TERMIER 154.

†*Siphonotreta verrucosa* species discussed and figured, p. 345, PRANTL 116.

ACROTRETACEA

ACROTRETIDAE

†*Acrothele* ? sp. figd. pl. lxviii, p. 36 TERMIER & TERMIER 154.

†*Acrotreta salagartensis* sp. n. Cambrian Argentine, RUSCONI *Rev. Mus. Hist. Nat. Mendoza* 4 3-4 1950 p. 81.

†*Discinolepis* sp. figd. pl. lxviii p. 37, TERMIER & TERMIER 154.

DISCINACEA

TREMATIDAE

†*Lingulidiscina* sp. figd., ELLISON 46; *L. guineaensis* sp. n. nom. nud., Cox Rept. Geol. Surv. Dept. Gold Coast 1947-48 1949 p. 13.

DISCINIDAE

†*Discina* figd. p. 15, SCHWAN 136.

Discinisca discussed, *cumingii* p. 27, *laevis* p. 30, *lamellosa* p. 32, *strigata* p. 37, all figured., HERTLEIN & GRANT 74.

†*Discinisca* discussed p. 23 (?) *circularis* p. 26, *cumingii* p. 27, *c. hannibali* subsp. n. p. 29 Oligocene *jenkinsi* sp. n. Pliocene *loeli* sp. n. p. 35 Miocene, *perrini* sp. n. p. 36 Miocene, Western America, all figured., HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

†*Orbiculoidea bondoni* sp. n. figd. pl. lxviii p. 37, *rudis* sp. n. p. 37 figd. pl. lxviii Cambrian Morocco ? sp. figd. pl. lxvii, lxviii p. 36, 37, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Orbiculoidea* (*Schizotreta* ?) *forbesi* p. 556 fig., WHITTARD & BARKER 171.

Pelagodiscus atlanticus p. 21, 23, HERTLEIN & GRANT 74.

CRANIACEA

CRANIIDAE

Crania discussed p. 38, *californica*, *patagonica* p. 40, HERTLEIN & GRANT 74.

†*Crania* sp. figd. p. 37, 134, TERMIER & TERMIER 154; *C. spinulosa*, *costata* p. 266 figd., *antiqua*, *tuberculata* p. 267 figd., *ignabergensis* p. 268 figd., ZACHARIEVA-KOVAČEVA 176.

†*Craniops implicata* p. 556, WHITTARD & BARKER 171.

†*Philhedra athenae* sp. n. p. 557 fig., U^r. Valentian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

ORDER PROTREMATA

ORTHACEA

NISUSIIDAE

†*Nisusia pēnae*, *pellicoi*, specimen in Geol. Inst., Madrid, BATALLER 4 p. 199; *N.* sp. figd. pl. lxix p. 38, TERMIER & TERMIER 154.

BILLINGSSELLIDAE

†*Apheoorthina* discussed, *ferrigena*, *bohémica* p. 56, 128, HAVLÍČEK 69.

†*Billingsella rochi* sp. n. figd. pl. lxix p. 38 Cambrian Morocco, TERMIER & TERMIER Paléont. Maroc. 2 1950; *B. tenera* p. 125 fig., DAVID & BROWNE 37.

†*Ocnerorthis soror* p. 56, 128, *filia* p. 57, 128, HAVLÍČEK 69.

†*Otusia* ? figd. pl. lxix p. 39, TERMIER & TERMIER 154.

†*Zenorthis* [err. pro *Xenorthis*] formerly *Strophomena stosei* figured pl. 11A and B and p. 46, STOSE & STOSE 147.

RANORTHIDAE

†*Ranorthis lipoldi*, (?) *grossi* p. 58, 129, HAVLÍČEK 69.

EOORTHIDAE

†*Eoorthis tatei* p. 125 fig., DAVID & BROWNE 37; *E.* sp., *romingeri* p. 38 pl. lxix, sp. pl. lxx, TERMIER & TERMIER 154.

†*Jivinella* discussed p. 55, 127, *incola*, figd., *praecedens*, *slaviki*, *postcedens*, p. 56 HAVLÍČEK 69.

HESPERONOMIIDAE

†*Hesperonomiella* (?) *tenera* p. 59, 131, HAVLÍČEK 69.

PLECTORTHIDAE

†*Giraldiella partita* figd. p. 52, 124, HAVLÍČEK 69.

†*Platystrophia brachynota* p. 558 fig., WHITTARD & BARKER 171.

†*Plectorthis* sp., pl. lxxvii p. 39, TERMIER & TERMIER 154.

SKENIDIIDAE

†*Skenidioides lewisi* p. 561 fig., WHITTARD & BARKER 171.

ORTHIDAE

†*Angusticardinia zelenkai* p. 57, 129, HAVLÍČEK 69.

†*Archaeorthis přibylí* p. 57, 128, HAVLÍČEK 69.

†*Corineorthis gigantea* sp. n. pl. lxxi p. 41 Ordovician Morocco, TERMIER & TERMIER Paléont. maroc 2 1950.

†*Hesperorthis onniensis* sp. n. p. 564 fig., sp. p. 565, fig., U^r. Valentian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

†*Nanorthis rara* p. 57, 128, HAVLÍČEK 69.

†*Orthambonites rúžickai* p. 57, 129, HAVLÍČEK 69.

†*Orthis pelargonatus* figd. pl. iii, WAGENBRETH 165; *O. semicircularis callactis* β species discussed p. 582, WHITTARD & BARKER 171; *O. Dalman* s. str. = *Orthambonites* Pander, SCHOUPPE 134 p. 226; *O. calligramma*, sp., ?sp. p. 39 figd. pl. lxi, *carausii*, sp. pl. lxx, TERMIER & TERMIER 154; "*O. leviensis* p. 161 fig., DAVID & BROWNE 37.

†*Prantlina* p. 57, 129, *desiderata* figd., *oolitica*, *bohémica* p. 58, 129, HAVLÍČEK 69.

†*Ptychopleurella multicostata* sp. n. p. 567 fig., sp. A, B p. 568 fig., Upper Valentinian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

†*Schizorammina* ? *valentica* sp. n. p. 566 fig., U. Valentinian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

DINORTHIDAE

†*Austinella* ? sp. figd. pl. lxxii, lxxvi p. 40, TERMIER & TERMIER 154; *A.* ?sp. pl. lxxix p. 40, TERMIER & TERMIER 154.

PORAMBONITIDAE

†*Poramborthis* fam. n. with *Poramborthis*, HAVLÍČEK 1949, HAVLÍČEK 69 p. 58, 130.

†*Poramborthis* genus discussed *kloučeki*, *kettneri*, *lamellosa* figd., *grimmii*, *anomala*, HAVLÍČEK 69 p. 59, 130.

SUBORDER CLITAMBONOIDEA

CLITAMBONACEA

TRITOECHIIDAE

†*Tritoechia koihai*, *uvalica*, *kodými* figd., HAVLÍČEK 69 p. 60, 131.

DALMANELLACEA

DALMANELLIDAE

†*Aulacella interlineata* pl. lxxi p. 41, cf. *interlineata* pl. lxxiv, TERMIER & TERMIER 154.

†*Crassiorina* gen. n. type-species *Orthis notata* var. *crassior* Barrande 1879, p. 36, 106, *crassior* p. 37, 107, Ordovician, Caradoc Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. Geol. Praha 13 1950 figd.

†*Dalmanella chrustenicensis* sp. n. p. 28, 98, *boučeki* sp. n. p. 29, 99, Ordovician Caradoc, Bohemia HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.; *D.* cf. *pauciplicata* p. 8 figd. pl. ii, HRMEDA 79; *D.* cf. *subelegantula*, sp. p. 189, SOLLE 143; *D.* sp. pl. lxi p. 44, TERMIER & TERMIER 154.

†*Dalmanellidae* to replace *Wattsellidae* Schuchert & Cooper, WHITTARD & BARKER 171 p. 569 (footnote).

†*Dedzetina* subgen. n. of *Par-morthis* type-species *P. (D.) macrostomoides* sp. n. p. 33, 34, 103, 104, (?) *honorata* p. 34, 105, Ordovician Ashgillian, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Eodalmanella* gen. n. syn. *Orthis* Barrande 1879 partim, *Orthostrophia* Jahn 1904, type-species *Orthis socialis* Barrande 1874 p. 24, 25, 93, 95, *mimica* p. 26, 95 figd. Ordovician, Llanvirn, Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. Geol. Praha 13 1950.

†*Fascicostella* sp., cf. *gervillei* pl. lxx p. 44, TERMIER & TERMIER 154.

†*Levenea* sp. figd. pl. lxx p. 41, TERMIER & TERMIER 154.

†*Mendacella uberis* p. 569 fig., *challinori* p. 570 fig., *lata* sp. n. p. 571 fig., *phiala* sp. n. p. 573 fig., *crassiformis* p. 574 fig., U. Valentinian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

†*Mesodalmanella* gen. n. type-species *M. flava* sp. n. p. 26, 27, 96, 97, *bancrofti* sp. n. p. 27, 97 figd. Ordovician Llandeilo Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950.

†*Onniella frequens* sp. n. p. 31, 101 Ordovician Caradoc Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.; *O.* ? ou *Dalmanellid lunata* p. 40 pl. lxi, TERMIER & TERMIER 154.

†*Onniellidae* to replace *Dalmanellidae* Schuchert (Öpik 1933) p. 569 (footnote), WHITTARD & BARKER 171.

†*Parmorthis visbyensis* var. *pygmaea* var. n. p. 575 fig., U^r. Valentian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950; *P. sp. pl. lxx* p. 44, pl. lxxii, *elegantula* pl. lxxiv, lxxv, TERMIER & TERMIER 154; *P. aff. allani* p. 253 figd., GILL 61.

†*Parmorthis* (*Dedzetina*) subgen. n. vide *Dedzetina*.

†*Proschizophoria personata* pl. lxxiii p. 41. TERMIER & TERMIER 154.

†*Resserella* (*Howellites*) *altera* p. 30, 100 figd., HAVLÍČEK 69.

SCHIZOPHORIIDAE

†*Comatopoma* gen. n. type-species *C. barrandei* sp. n. p. 54, 55, 126, 127. Ashgillian Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Drabovia* gen. n. type-species *Orthis redux* Barrande p. 45, 116, *redux* p. 46, 117, *fascicostata* sp. n., *transgrediens* sp. n. p. 47, 118, *breviseptata* sp. n., *postrema* sp. n. p. 48, 119, *latior* sp. n., (?) *asperula* p. 49, 120, Ordovician Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Draboviinae* subfam. n. of Schizophoriidae, with *Drabovia* gen. n., HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 p. 45, 115.

†*Drabovinella* gen. n. p. 50, 121, type-species *Orthis drabovinensis* Barrande 1879, *drabovens* p. 51, 122, *ulrichi* sp. n. p. 51, 123, n. sp. p. 52, 123, Ordovician Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Enteles biplicatus* sp. n. pl. lxxiii p. 43 Namurian Morocco, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Nocturnellia* gen. n. type-species *Orthis nocturna* Barrande 1879 p. 53, 124, *nocturna* p. 54, 125 Ordovician Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Orthotichia morganiana* p. 40 fig., FREBOLD 55; *O. morganiana* p. 40 figd., FREBOLD 54.

BILOBITIDAE.

†*Bilobites alticavatus* sp. n. p. 577 fig., U^r. Valentian Shropshire, WHITTARD & BARKER Ann. Mag. Nat. Hist. (12) 3 1950.

RHIPIDOMELLIDAE

†*Platyorthis circularis* sp. pl. lxx p. 45, TERMIER & TERMIER 154; *P. cf. circularis, circularis* pl. lxxiv p. 45, TERMIER & TERMIER 154.

†*Rhipidomella michelini* figd. pl. lxx p. 45, sp. pl. lxxii, pl. lxxv, TERMIER & TERMIER 154; *R. polygramma* var. *penlandica* p. 579 fig., WHITTARD & BARKER 171; *R. oweni, burlingtonensis* figd. pl. 5, n. sp. pl. 14, *carbonaria* pl. 19, PLUMMER 113.

HETERORTHIDAE

†*Harknesella* sp. p. 42, 113 figd., HAVLÍČEK 69.

†*Heterorthina notata* p. 35, 105, figd., HAVLÍČEK 69.

†*Heterorthis quaerenda* p. 37, 108, *sosia* p. 38, 108 figd., HAVLÍČEK 69.

†*Planoharknessella* gen. n. type-species, *P. planidorsa* sp. n. p. 42, 43, 113, 114, Ordovician Caradoc Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

†*Reuschella macrostoma* p. 44, 114 figd., HAVLÍČEK 69.

†*Svobodaina* gen. n. (syn *Heterorthis* Schuchert & Cooper 1932 partim) type-species *Orthis inclyta* Barrande 1879, p. 38, 109, *inclyta* p. 40, 111, cf. *inclyta suburbana* p. 4, 111, *svobodai* sp. n. p. 41, 112 Ordovician Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

SCHIZOPHORIIDAE

†*Isorthis* sp. pl. lxxv p. 43, TERMIER & TERMIER 154.

†*Pionodema* ? *budleighensis* figd. pl. lxx p. 41, *redux* pl. lxxi p. 41, TERMIER & TERMIER 154.

†*Schizophoria* sp. pl. lxx, *provulvaria, vulvaria*, cf. *vulvaria, striatula, resupinata, connivens* pl. lxxi p. 42,

striatula, cf. *vulvaria*, *provulvaria* pl. lxxii, *resupinata*, *striatula* pl. lxxiii cf. *resupinata* pl. lxxiv, TERMIER & TERMIER 154; *S. resupinoides* figd. pl. 12, PLUMMER 113; *S. cf. vulvaria*, SOLLE 143 p. 189; *S. resupinata* p. 308 fig., DAVID & BROWNE 37; *S. provulvaria*, SOLLE 142 p. 336.

LINOPORELLIDAE

†*Linoporella punctata* p. 580, fig., WHITTARD & BARKER 171.

SUBORDER SYNTROPHIOIDEA

SYNTROPHIACEA

SYNTROPHIDAE

†*Euorthisina* gen. n. syn. *Orthisina* Barrande 1879 (non *Orthisina* d'Orbigny 1847 = *Clitambonites* Pander 1830), type-species *Orthisina moesta* Barrande p. 16, 85, *moesta moesta*, *moesta šárkaensis* p. 17, 86 subsp. n., *moesta minor* subsp. n. p. 18, 87, Ordovician Llanvirn Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figd.

SUBORDER PENTAMEROIDEA

PENTAMERACEA

PENTAMERIDAE

†*Conchidium barrandei barrandei* subsp. n. p. 142, b. *bohemicum* subsp. n. p. 144, *knightii* p. 146, *biloculare* p. 147, *hospes* p. 149, *praecox* p. 150 all figured from Silurian of Bohemia, PŘIBYL Bull. Int. Acad. tcheque Sci. Prague 44 1944; *C. knightii* opp. p. 206 fig., DAVID & BROWNE 37.

†*Gypidula dichotoma*, (?) *africana*, *galeata*, *chouberti* sp. n. pl. xciii Devonian, Eifelian p. 99, *dichotoma* pl. xciv, *galeata*, sp. pl. xcvi p. 67, TERMIER & TERMIER 154.

†*Notoconchidium florencensis* sp. n. p. 242 figd., Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950.

†*Sieberella costata*, var. *lata*, *sieberi*, cf. *sieberi*, *brevirostris* figd. pl. xciii p. 66, TERMIER & TERMIER 154.

STROPHOMENACEA

STROPHOMENIDAE

†*Bicuspina* gen. n. type-species *Orthisina cava* Barrande 1848 p. 18,

87, *cava* p. 18, 88, *multicostellata* sp. n. p. 19, 89 Ordovician Llandeilo Bohemia, HAVLÍČEK Rozpr. Ustr. Úst. geol. Praha 13 1950 figured.

†*Chonetoidea papillosa* pl. lxxviii, cf. *radiatula* pl. lxxx p. 45, TERMIER & TERMIER 154.

†*Derbyia gigantea* pl. lxxxi p. 49, TERMIER & TERMIER 154; *D. grandis* p. 41 fig., FREBOLD 55; *D. grandis* figd. p. 41, FREBOLD 54.

†*Douvillina* sp. pl. lxxxii, TERMIER & TERMIER 154.

†*Douvillina* (*Mesodouvillina*) subgen. n. type-species *Brachyprion subinterstitialis serentensis* Kozłowski (1929 pp. 96-99 figs. 28, 29 pl. 4, figs. 1-7) Devonian ?Poland, WILLIAMS J. Washington Acad. Sci. 40 9 1950 p. 281.

†*Eostrophomena skeatsi* p. 125 fig., DAVID & BROWNE 37.

†*Glossostrophia* gen. n. type-species *Leptaena caudata* Schnur 1854 (p. 224 pl. 42 figs. 4a-c) Devonian Europe, WILLIAMS J. Washington Acad. Sci. 40 9 1950 p. 282.

†*Hercostrophia* gen. n. type *H. alpenensis* sp. n. p. 277, 278, *robusta* sp. n., sp. p. 278 fig. Middle Devonian N. America, WILLIAMS J. Washington Acad. Sci. 40 9 1950.

†*Leptaena maestrea* specimen in geol. Inst. Madrid, BATALLER 4; *L. analoga* figd. pl. 5, PLUMMER 113; *L. rhomboidalis*, *analoga* pl. lxxviii, *rhomboidalis*, *depressa*, sp., *murchisoni* pl. lxxx, *grandis*, *analoga*, *murchisoni*, *rhomboidalis* pl. lxxxii sp. pl. lxxxiii p. 47, TERMIER & TERMIER 154.

†*Leptelloidea* sp. pl. lxxviii p. 46, TERMIER & TERMIER 154.

†*Leptostrophia explanata* pl. lxxix, pl. lxxxii p. 48, TERMIER & TERMIER 154.

†*Lissostrophia* (*Mesolissostrophia*) subgen. n. type-species *L. (M.) pellucida* sp. n. p. 280, *minuta* sp. n. p. 281 figd. Silurian Gotland and U.S.A., WILLIAMS J. Washington Acad. Sci. 40 9 1950.

†*Maoristrophia* genus discussed p. 252 figd., GILL 61.

†*Meekella* sp., nov. sp. pl. lxxxiii p. 49, TERMIER & TERMIER 154.

†*Mesodouvillina* subgen. n. of *Douvillina* see under *Douvillina*.

†*Mesolissostrophia* subgen. n. of *Lissostrophia* see under *Lissostrophia*.

†*Mesopholidostrophia* subgen. n. of *Pholidostrophia* see under *Pholidostrophia*.

†*Notoleptaena* sp. p. 253, GILL 61.

†*Orthotetes chouberti* sp. n., sp. pl. lxxxix p. 49, TERMIER & TERMIER 154; *O. kaskaskiensis* figd. pl. 14, PLUMMER 113.

†*Orthotetina* (*Schellwienella*) *hipponyx*, maior p. 337, SOLLE 142.

†*Pholidostrophia* (*Mesopholidostrophia*) subgen. n. type species *M. nitens* sp. n. p. 279, 280 fig. Silurian Gotland, WILLIAMS J. Washington Acad. Sci. 40 9 1950.

†*Plectodonta davidi* p. 199 figd., *benderinsis*, *mariae* figd., BROWN 15; *P. bipartita* p. 249 figd., GILL 61.

†*Protoliptostrophia plateia* p. 252 figd., GILL 61.

†*Pseudodouvillina*? cf. *dutertrei* pl. lxxviii, p. 48, pl. lxxx, pl. lxxxii p. 48, TERMIER & TERMIER 154.

†*Rafinesquina pseudoloricata* p. 23, 92 figd., HAVLÍČEK 69.

†*Schellwienella rustica* sp. n. p. 372 figd. Upper Devonian or Lower Mississippian (Aplington), U.S.A. (Iowa), STAINBROOK J. Paleont. 24 3 1950; *S. umbracula* pl. lxxviii, sp. pl. lxxix, *umbracula*, *crenistris*, pl. lxxxix, sp. pl. lxxxii p. 48, TERMIER & TERMIER 154.

†*Shaleria* (*Telaoshaleria*) subgen. n. type-species *sulcata* sp. n. p. 281 fig. Devonian Europe, WILLIAMS J. Washington Acad. Sci. 40 9 1950.

†*Sowerbyella* sp. figured pl. lxxviii p. 46, TERMIER & TERMIER 154.

†*Streptorhynchus* cf. *kempei* p. 42 figd. sp. indet. I, II, p. 44 figd., FREBOLD 54; *S. aff. pelargonatus* p. 31 fig., DOUGLAS 41; *S. cf. kempei* p. 42 fig., sp. ind. I, II p. 44 fig., FREBOLD 55.

†*Stropheodonta gigas*, *sedgwicki* pl. lxxviii, sp. pl. lxxxii p. 47, TERMIER & TERMIER 154; *S. taeniolata*, *sedgwicki* p. 337, SOLLE 142; *S. murchisoni*, *virgata* p. 189, SOLLE 143; *S. cf.*

sedgwicki p. 503 figd., YABE & SUGIYAMA 175; *S. pataci* specimen in geol. Inst. Madrid, BATALLER 4 p. 199; *S. sp.* pl. lxxvii p. 47, TERMIER & TERMIER 154.

†*Strophomena naranjoana* specimen in geol. Inst. Madrid, BATALLER 4; "*S.*" *vinicensis* p. 23, 93, HAVLÍČEK 69; *S. pseudoloricata*, cf. *expansa*, *pomum* pl. lxxviii, *hirundo*, *expansa* pl. lxxix, *imbrex* pl. lxxx, cf. *expansa*, *verneuili* pl. lxxxiii p. 46, TERMIER & TERMIER 154.

†*Strophonella* (*Eostrophonella*) subgen. n. type-species *Strophonella davidsoni* Hortedahl 1916 (pp. 64-65, pl. 7 figs. 6, 7) Silurian Europe, WILLIAMS J. Washington Acad. Sci. 40 9 1950 pp. 281, 282.

†*Telaoshaleria* subgen. n. of *Shaleria* see under *Shaleria*.

†*Triplesia deformata* figd., *tenebrosa* p. 20, 89, HAVLÍČEK 69.

†"*Tropidoleptus*" *fascifer* p. 161 figd., LEANZA 92; *T. carinatus* pl. lxxxii p. 49, TERMIER & TERMIER 154.

CHONETIDAE

†*Anoplia yeringae* internal cast of pedicle valve figd. p. 52, GILL 63.

†*Chonetes* sp. pl. lxxxiii, *tenuicostata*, *sarcinulata*, *hardrensis*, sp. pl. lxxxiv *papilionacea*, *gibberula*, *buchi*, *dalmani* pl. lxxxv, *longispina* sp., *mosensis* pl. lxxxvi p. 50, TERMIER & TERMIER 154; *C. cf. gibberulus* p. 315, cf. *politus* p. 316, SMYTH 140; *C. dominus* figd. pl. 14, PLUMMER 113; *C. melbournensis*, *taggertyensis*, internal cast of pedicle valve figured, p. 52, GILL 63; *C. aff. ruddockensis* figd. p. 249 figd., GILL 61; *C. culleni* opp. p. 259 fig., DAVID & BROWNE 37.

†*Chonetes* [*Mesolobus*] *striatus* figured pl. xxvi, genus range from early Pennsylvanian (Desmoines) to late Pennsylvanian (Virgil or Uralian), ELIAS 44.

†*Chonetes* (*Plicochonetes*) cf. *cromfordensis* p. 8 figd. pl. iv, HROMEDA 79.

†*Chonetina chouteauensis* figd. pl. 12, *robusta* n. sp. pl. 19, *flemingi* var. *plebeia*, *rostrata* pl. 21, PLUMMER 113.

†*Daviesiella comoides* pl. lxxxiv, pl. lxxxv p. 52, TERMIER & TERMIER 154.

†*Eodevonaria dilatata*, ? sp. pl. lxxvii p. 52, TERMIER & TERMIER 154;

†*Mesolobus rochellensis* figd. pl. 19, PLUMMER 113.

†*Notanoplia* gen. n. type-species *N. pherista* sp. n. Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950 p. 249.

†*Paeckelmannia* sp. figd. pl. 11, *derelecta* pl. 17, PLUMMER 113.

†*Plicochonetes plebeja* pl. lxxxiv p. 52, TERMIER & TERMIER 154.

†*Dictyoclostus inflatus, elegans* figd. pl. 8, *morrowensis* pl. 11, *inflatus* var. *coloradoensis* pl. 12, PLUMMER 113; *D. cf. muirwoodi* pl. lxxxvi p. 58, TERMIER & TERMIER 154.

†*Echinoconchus punctatus, exquisitus, elegans*, sp., cf. *punctatus*, cf. *defensus* pl. xcii p. 62, TERMIER & TERMIER 154.

†*Eomarginifera longispina* pl. lxxxix p. 59, sp. pl. lxxvii p. 58 TERMIER & TERMIER 154; *E. longispina* p. 28 fig., DOUGLAS 41.

†*Gigantella aurita, gigantea*, pl. lxxxvi, *hemisphaerica, latissima, undata*, cf. *gigantea* pl. xc, *undata* pl. xci, TERMIER & TERMIER 154 p. 64.

†*Gigantoproductus* nom. n. for *Gigantella* Sarycheva 1928 (non Ekman 1905 Crust.) type-species *Anomites giganteus* Martin, PRENTICE Geol. Mag. London 87 6 1950 p. 437.

†*Horridonia* genus discussed p. 16, *mitis* sp. n. p. 17 figd., Permian Artinskian Queensland, HILL Univ. Queensland Paprs. Geol. Dept. 3 11 1950; *H. globosa* figd. pl. 11, PLUMMER 113.

†*Juresania wilberana* figd. pl. 11, *symmetrica* pl. 21, PLUMMER 113.

†*Krotovia* discussed, (?) sp. p. 21, HILL 75.

†*Leioproductus sheffieldensis* sp. n. p. 374, *aplingtonensis* sp. n. p. 375 figd. Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950.

†*Linoproductus nodosus* figd. p. 11, *welleri* pl. 12, PLUMMER 113; *L. tenuicostus* figd. pl. 5, PLUMMER 113; *L. cora, sphaericus* sp. n., L^r. Carb. Visean Morocco pl. xc p. 63, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Marginifera roemeri* figd. pl. 11, *splendens* pl. 19, *lasallensis* pl. 21, PLUMMER 113.

†*Overtonia fimbriata* pl. xcii p. 63, TERMIER & TERMIER 154.

†*Planoproductus sarmentosa* sp. n. p. 375 figd. Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950; *P. gigantoides* figd. pl. i, MINATO 103.

PRODUCTACEA

PRODUCTIDAE

†*Anidanthus* genus discussed, described Whitehouse 1928 with type *Productus* sp. ind. Jack & Etheridge 1892 pl. xii fig. 16, pl. xlv fig. 13, said to be conspecific with *Lino-productus springsurensis* Booker 1932, and here selected as type-species of genus, p. 9, 10 figured, Permian Artinskian Queensland, HILL Univ. Queensland Paprs. Geol. Dept. 3 11 1950. [If *Anidanthus* Whitehouse 1928 invalid by ruling of I.C.Z. Nomen. then gen. nov. Hill 1950].

†*Aulosteges barracoodensis* opp. p. 373 fig., DAVID & BROWNE 37; *A.* genus discussed, with subgenera *Aulosteges, Taeniothaerus, Wyatkina, Strophalosiina*, and two unnamed forms, p. 5, 6, *A. (?A.) randsi* sp. n. p. 6 Permian Artinskian, HILL Univ. Queensland Paprs. Dept. Geol. Brisbane 3 11 1950.

†*Avonia blairi, concentrica* pl. 5, PLUMMER 113.

†*Buxtonia* sp. figd. pl. 12, PLUMMER 113; *B. scabricula* p. 30 fig., DOUGLAS 41; *B.* sp. pl. lxxxvi, *scabricula* pl. lxxxix, *interrupta, scabricula* var. *intermixtus, interrupta*, aff. *piscariae rimberti, aculeata* pl. xcii p. 59, TERMIER & TERMIER 154.

†*Cancrinella* genus discussed pl. 12, *farleyensis* p. 14 figd., HILL 75; *C. sampsoni* figd. pl. 12, PLUMMER 113,

†*Productella* cf. *caperata* figd. pl. i, MINATO 103; *P. subaculeata* pl. lxxxvii p. 53, TERMIER & TERMIER 154.

†*Productellana* gen. n. type-species *P. bifaria* sp. n. Upper Devonian or Lower Mississippian (Aplington) Iowa STAINBROOK J. Paleont. 24 3 1950 p. 373, 374 figd.

†*Productus praelongus* figd. pl. ii, SAMSONOWICZ 128; *P. pinguis* pl. lxxxvi, ? cf. *opuntia* pl. lxxxvii, *costatus*, *multispiniferus*, *semireticulatus*, var. *hindi*, *concinus*, *productus*, *sulcatus*, *antiquatus*, *scoticus*, sp. cf. *muricatus* pl. lxxxix, sp. cf. *muricatus*, *konincki*, *redesdalensis* p. xci p. 54, TERMIER & TERMIER 154; *P. horridus* figd. pl. i, WAGENBRETH 165; *P.* sp. p. 308 fig., DAVID & BROWNE 37; *P.* sp. indet., *cancriniformis* p. 49 figd., *aagardi* p. 50, *arcticus*, *neoinflatus* p. 51 figd., FREBOLD 54; *P. longispinus* p. 54, sp. indet. p. 56 figd., FREBOLD 54; *P.* sp. ind., *cancriniformis* p. 49 fig., *aagardi* p. 50, *arcticus*, *neoinflatus* p. 51 fig., *longispinus* p. 54 fig., sp. ind. gr. of *semireticulatus* p. 56 fig., FREBOLD 55.

†*Productus (Echinoconchus) punctatus* p. 52 fig., *fasciatus* p. 54 fig., FREBOLD 55; *P. (E.) punctatus* p. 52 figd., *fasciatus* p. 54 figd., FREBOLD 54.

†*Productus (Horridonia) timanicus* p. 52 fig., FREBOLD 55; *P. (H.) timanicus* figd. p. 52 figd., FREBOLD 54.

†*Productus (Productus) cora* figd. p. 47, FREBOLD 54; *P. (P.) cora* p. 47 fig., FREBOLD 55.

†*Productus (Waagenoconcha?) irginae* var. *irginaeformis* p. 45 figd., FREBOLD 54; *P. (W.) irginae* var. *irginaeformis* p. 45 fig., FREBOLD 55.

†*Pustula* aff. *rugata* p. 30 fig., DOUGLAS 41; *P. leuchtenbergensis*, *pyxidiformis*, *pustulosa*, cf. *pustulosa*, *rugata* pl. xcii p. 62, TERMIER & TERMIER 154.

†*Striatifera undata* p. 29 fig., DOUGLAS 41; *S. ovata* figd. pl. 5, 8, PLUMMER 113.

†*Strophalosia clarkei* opp. p. 365 fig., DAVID & BROWNE 37; *S.*

butlerensis sp. n. p. 375 figd. Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950; *S. excavata* figd. pl. iii, WAGENBRETH 165.

†*Taeniothaerus* as subgenus of *Aulosteges*, *subquadratus* p. 6, s. var. *cracowensis* var. n. p. 8 figd., Permian Artinskian Queensland, HILL Univ. Queensland Paprs. Brisbane 3 11 1950.

†*Terrakea* genus discussed p. 18, *brachythaerus* discussed p. 19, *pollex* sp. n. p. 20 Permian Artinskian Queensland, HILL Univ. Queensland Paprs. Geol. Dept. 3 11 1950.

†*Whidbornella caperata*, pl. lxxxvii p. 53, TERMIER & TERMIER 154.

INCERTAE SEDIS CAMEROPHORIACEAE

CAMEROPHORIIDAE

†*Camarophoria biplicata* p. 67 fig., *mutabilis* p. 68 fig., FREBOLD 55; *C. biplicata* p. 67 figd., *mutabilis* p. 68 figd., FREBOLD 54.

†*Camarophorina bijugata* figd. p. 82, *pachyderma* p. 85, SCHMIDT 133.

†*Stenochisma* sp., cf. *acutelobatus* pl. xcvi p. 71, TERMIER & TERMIER 154.

ORDER TELOTREMATA RHYNCHONELLACEA

CAMAROTOECHIIDAE

†*Calvinaria?* *undulata* sp. n. p. 99 pl. xcix Devonian Famennian Morocco, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Camarotoechia daleidensis*, *cuneata*, sp. cf. *daleidensis* pl. xciv, sp. pl. xcv, cf. *decemplicata*, sp., cf. *daleidensis* pl. xcvi, *nucula*, *nympha*, *daleidensis*, *isorhyncha*, *multirugata*, *pleurodon*, n. sp. pl. xcvi p. 70, TERMIER & TERMIER 154; *C. pleurodon* opp. p. 259 fig., DAVID & BROWNE 37; *C. synchrononeua* sp. n. figd. p. 253 Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950; *C. ambigena* p. 21, 90 figd., HAVLÍČEK 69; *C. elegantula* figd. pl. 5, *laxa* pl. 8, PLUMMER 113; *C. livonica* figd. pl. i, SAMSONOWICZ 128; *C. betterbergiana* sp. n. p. 79 figd., Middle Devonian

Eifel Germany, SCHMIDT Senckenbergiana 31 1950; *C. unca* sp. n. p. 376, *lauta* sp. n. p. 377 figd., *nitidula* sp. n. p. 378 Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950.

†*Rhynchonella* (*Camarotoechia* ?) *losseni* Wolf non Kayser (= *Straehlenia* cf. *dannenbergi* or *S. dannenbergi* p. 189, *R. (C.) cf. dunensis* p. 190, SOLLE 143.

†*Clarkeia antisiensis* p. 161 figd., LEANZA 92.

†*Dinapophysia papilio* pl. xciv, xcv p. 68, TERMIER & TERMIER 154.

†*Eatonia* (*Eatonia*) *pleonecta* sp. n. Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950 p. 244 figd.

†*Halorella crassicostata*, *intermedia semialata* pl. xcvi, *crassicostata*, *globosa*, *alta*, *intermedia*, *tenuicostata*, *semialata*, pl. c p. 73, TERMIER & TERMIER 154.

†*Hypothyridina procuboides* p. 85, SCHMIDT 133; *H. ?eucharis* sp. pl. xcvi p. 69, TERMIER & TERMIER 154.

†*Leiorhynchus carboniferum* and var. figd. pl. 8, PLUMMER 113; *L. halli*, sp. pl. lxxxiii, ?sp., *laticosta* pl. xcvi, sp. pl. xcix p. 72, TERMIER & TERMIER 154.

†*Nemesa nemesana* p. 85. SCHMIDT 133.

†*Paryphorhynchus gonthieri* figd. pl. ii, SAMSONOWICZ 128.

†*Pugus* [err. pro *Pugnax*] *pugnoides* pl. lxxxiii, sp. pl. xcvi, *acuminatus* pl. xcvi, *acuminatus* pl. cvi p. 73, TERMIER & TERMIER 154.

†*Rhynchopora cooperensis*, *pustulosa*, *persinuata* fig. pl. 5, *illinoisensis* pl. 11, PLUMMER 113.

†*Rhynchotrema clariondi* sp. n. figd. pl. lxxxix p. 68, 99 Ordovician Morocco sp. pl. xcvi, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Septalaria* cf. *subtumida* pl. lxxxiii p. 71 sp. pl. xcix, TERMIER & TERMIER 154.

†*Shumardella obsolens* figd. pl. 5, PLUMMER 113.

†*Straehlenia* [err. pro. *Straelenia*] *minor* pl. xciv p. 69, TERMIER & TERMIER 154.

†*Uncinulus pentagonus*, *propentagonus* sp. n. p. 80 figd., *signatus* p. 85 Middle Devonian Eifel Germany, SCHMIDT Senckenbergiana 31 1950; *U.* sp., *orbignyi* pl. xciv, *subwilsoni*, *princeps*, *orbignyi* pl. xciv, *primpilaris*, *subcordiformis*, *implexus* pl. xcvi p. 68, 69, TERMIER & TERMIER 154.

†*Uncinulus* (*Glossinulus*) *augustus* p. 189, SOLLE 143.

†*Wellerella utah* figd. pl. 14, PLUMMER 113.

RHYNCHONELLIDAE

†*Acanthothyris* defined, *spinosa* p. 2, CHARLES 25.

†*Cyclothyris* genus discussed p. 61, *latissima* figd. p. 62, American Cretaceous species, *suciensis*, *californica*, *dubitanda*, *imbricata* = *cooperella* nom. n., *obesa*, *densleoni*, *whiteana*, *averilli*, referred to genus p. 63, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

†*Eoemithyris* gen. n. type-species *alexi* sp. n. Eocene Western N. America, p. 35 figd. *peocomplanata* p. 55, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

Frieleia discussed p. 57, *halli* p. 58 figd., HERTLEIN & GRANT 74.

Hemithyris discussed p. 41, *psittacea* p. 46, HERTLEIN & GRANT 74.

†*Hemithyris* discussed p. 41, *astori* p. 43, *dibbleei* sp. n. p. 46 Eocene *psittacea* p. 46, *psittacea alaskana* p. 53, *reagani* sp. n. p. 54, Oligocene Western America all figd., sp. p. 55, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

Hispanirhynchia discussed p. 59, (?) *craneana* p. 60 figd., HERTLEIN & GRANT 74.

†*Hispanirhynchia* discussed p. 59, *eotrigona*, *eotrigona obliquatella*, *sicula* p. 60, HERTLEIN & GRANT 74.

Neorhynchia discussed, *strebali* figd. p. 57, HERTLEIN & GRANT 74.

†*Peregrinella* discussed p. 65, *peregrina* p. 65 figd., *whitneyi* referred to genus p. 66 fig., HERTLEIN & GRANT 74.

Rhynchonella psittacea p. 462 figd., pl. cxix, BRONSHTEIN 14.

†*Rhynchonella* defined, cf. *subobsoleta*, *jaccardi* figd. p. 2, *davidsoni*, *elegantula*, *edwardsi* all figd. p. 3, *concin[n]a*, *balinensis* figd. p. 4, *subacarus*, var. *corculum* figd., cf. *plicatella*, *superba* figd. p. 5, *hopkinsi* figd., *decorata*, *angulata* p. 6, *distracta*, *asym[m]etrica*, *gi[n]gensis morierei* figd. p. 7, var. *buteo*, *subdecorata*, *richei*, *triplicosa* figd. p. 9, *monsalvensis*, *fastigata*, *wolffi*, *ledonica* figd. p. 10, *arolica*, *multiplicata*, *dilatata* figd. p. 11, CHARLES 25; *R.* cf. *sulcata* p. 11 from Albian of Madagascar, COLLIGNON 28; *R.* cf. *polygona* p. 25, *sulcata*, s. var. *salazacensis*, s. var. *paludensis*, *deluci* p. 26 all figd., sp. p. 27, COLLIGNON 29; *R.* genus discussed p. 61, *loxia* p. 62 figd., HERTLEIN & GRANT 74; *R.* ? *contraria* p. 8 fig. pl. iii, HROMEDA 79; *R.* aff. *fornix*, NICOLAI 108 p. 153; *R.* cf. *amalthoides* pl. xcviii p. 71, TERMIER & TERMIER 154; *R.* *triplicosa*, cf. *obsoleta* p. 122, WETZEL 170; *R.* *plicatilis* p. 262 figd., *baugasii*, *compressa* p. 263 figd., *vespertilio* p. 265 figd., ZACHARIEVA-KOVAČEVA 176.

†*Rhynchonella* (*Cyclothyris*) *varians* p. 111, WETZEL 170.

ATRYPACEA

ATRYPIDAE

†*Atrypa* sp. pl. xcix, cf. *obovata*, *reticularis*, *barrandei*, sp. pl. ci, cf. *reticularis* pl. cxx pl. 74, TERMIER & TERMIER 154.

†“*Catazyga*” *primula* figd. p. 22, 91, HAVLÍČEK 69.

†*Dayia barrandei* p. 21, 90, HAVLÍČEK 69; *D.* ? sp. pl. xcix, TERMIER & TERMIER 154.

†*Dubaria lantenoisi* pl. ci p. 74, TERMIER & TERMIER 154.

†*Glassia* sp. (nov.?) figd. pl. i, SAMSONOWICZ 128.

COELOSPIRIDAE

†*Anoplothea venusta* pl. cxxi p. 95, TERMIER & TERMIER 154.

†*Leptocoelia polyspera* sp. n. Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950 p. 245 figd.

SPIRIFERACEA

SPIRIFERIDAE

†*Acanthospira aciculifera* figd. pl. 5, PLUMMER 113.

†*Acrospirifer primaevus* p. 79, *pellico*, *paradoxus*, *arduennensis*, *cabedanus* pl. cii, *arduennensis*, *primaevus* pl. ciii, *decheni*, *paillettei*, *arrectus* (?) *infirmus*, cf. *primaevus*, *chama*, cf. *undiferus*, *speciosus* pl. cv, *rojasi*, *speciosus* pl. cvii, *pellico* pl. cviii, *decheni* pl. cx, *undiferus* pl. cxi, sp., *decheni* pl. cxiii, p. 80, 81, TERMIER & TERMIER 154.

†*Ambocoelia planoconvexa* figd. pl. 17, PLUMMER 113; *A. pentagonalis* sp. n. p. 100 pl. cxii, Devonian Famennian Morocco, cf. *nana* pl. cxii p. 88, TERMIER & TERMIER Paléont. maroc. 2 1950.

†*Arctospirifer* gen. n. type-species *A. constrictus* sp. n. p. 383 figd. Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950.

†*Brachyspirifer carinatus* pl. cii, pl. ciii, var. *crassica*, *rousseaui*, pl. ciii, cf. *carinatus*, *carinatus* pl. cxi p. 78, 79, TERMIER & TERMIER 154.

†*Brachyth[y]rina nagaoi* figd. pl. i, MINATO 103.

†*Brachythyris kitakamiensis* figd. pl. i, MINATO 103; *B. suborbicularis*, *chouteauensis* figd. pl. 5, PLUMMER 113.

†*Choristites* ? cf. *pinguis* pl. cvi, *pinguis* pl. cxv p. 86, *africanus* sp. n. pl. cxvii p. 86, U¹. Carboniferous Westphalian Morocco, TERMIER & TERMIER Paléont. marocaine 2 1950.

†*Costispirifer trigeri* pl. cvii, *bischofi* pl. cvii, cxiv, *ferronesensis* pl. cvii p. 83, TERMIER & TERMIER 154.

†*Cyrtia simplex* pl. civ, cxviii, *nuda* pl. cxvi p. 89, TERMIER & TERMIER 154.

†*Cyrtospirifer verneuili* pl. cviii, cix, *distans* pl. cix, *verneuili* pl. cxiii p. 83, TERMIER & TERMIER 154; *C.* genus defined, *verneuili* p. 5 figd.,

reidi sp. n. Upper Devonian Mt. Morgan district of Queensland, MAXWELL Univ. Queensland Papers Dept. Geol. 3 12 1950 p. 6 figd.; *C. verneuili* typical form defined p. 147, diagrammatic figures p. 148, sinal formulae p. 149, 151, GATINAUD 57; *C. aplingtonensis* sp. n. p. 379 figd., *laudoni* sp. n. p. 380 figd., Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950; *C. disjunctus* opp. p. 259 fig., DAVID & BROWNE 37.

†*Delthyris novamexicana* figd. pl. 5, PLUMMER 113; *D. elevatus*, *viator* pl. cii, *inchoans*, cf. *elevatus* pl. ciii p. 75, TERMIER & TERMIER 154.

†*Eleutherokomma* gen. n. type *hamiltoni* sp. n. p. 219, 220, *killeri*, *leducensis* spp. n. p. 222, pl. xxxvi, *beardi* sp. n. p. 223, pl. xxxvii, *reidfordi* sp. n. p. 224 pl. xxxvii, Middle and early Upper Devonian Canada, CRICKMAY J. Paleont. Menasha, Wis. 24 2 1950.

†*Eospirifer parahentius* sp. n. Lower Devonian Tasmania, GILL Pap. Roy. Soc. Tasmania 1949 1950 p. 247; *E. radiatus*, *secans* pl. civ, cv, *secans* pl. cxvi p. 76, TERMIER & TERMIER 154.

†*Hysterolites hystericus*, *diluvianus*, cf. *thetidis* pl. cii, cf. *scutiformis*, *jaschei*, *venus*, *elegans*, *hystericus* pl. ciii, *varicosus*, *mediotextus*, *angustus* pl. cvii, cf. *mediotextus* pl. cviii, *mediotextus* pl. cix, *hystericus*, *venus*, cf. *subcuspidatus*, *mercuri* pl. cx, cf. *elegans* pl. cxi, cxiii, cf. *hystericus* pl. cxiii, p. 77, 78, TERMIER & TERMIER 154.

†*Hysterolites* (*Acrospirifer*) *venus* p. 46 figd., PILLET 112.

†*Hysterolites* (*Hysterolites*) *hystericus* p. 45 figd., PILLET 112.

†*Liraspirifer* gen. n. type-species, *L. tricostratus* sp. n. p. 380, 381 figd., *altirostratus* sp. n. p. 381 figd., Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950.

†*Martinia glabra* pl. cvi, *glabra* pl. cxii, ? sp. pl. cxx p. 88, TERMIER & TERMIER 154.

†“*Martiniopsis*” *oviformis* spp. p. 373 fig., DAVID & BROWNE 37.

†*Mentzelia persica* p. 34, DOUGLAS 41.

†*Mucrospirifer* cf. *strunianus* pl. cv, *strunianus* pl. cv, cxiii, cxiv, cxv, *bouchardi* pl. cvii, *mesacostalis* pl. cxiv p. 82, TERMIER & TERMIER 154.

†*Neospirifer cameratus* pl. 12, *gorei* figd. pl. 12, 14, *texanus* pl. 21, PLUMMER 113.

†*Paraspirifer cultrijugatus* pl. cv, *pseudocultrijugatus* sp. n. Devonian L^r. Eifelian. Morocco pl. cv p. 99, *cultrijugatus* pl. cviii, *pseudocultrijugatus* pl. cx, cf. *cultrijugatus* pl. cxi, *acuminatus*, *cultrijugatus* pl. cxiii, TERMIER & TERMIER 154.

†*Phricodothyris* sp., *lineata* pl. civ p. 87, TERMIER & TERMIER 154.

†*Reticularia* sp., cf. *curvata* pl. civ, *sericea*, *aviceps*, *indifferens*, *pachyrhyncha*, *columba*, *robusta*, sp. *indifferens*, *elliptica* pl. cxii, *curvata* pl. cxvi, sp. pl. cxviii p. 86, 87, TERMIER & TERMIER 154.

†*Sinospirifer* closely related to *Cyrtospirifer* recorded from Queensland Upper Devonian, MAXWELL 102.

†*Spinocyrtia granulosa* pl. cx, cxi, ? sp. pl. cxx p. 79, TERMIER & TERMIER 154.

†*Spirifer ezquerrai* p. 200, *pellicoi*, *rojasi* p. 201, specimen in geol. Inst. Madrid, BATALER 4; *S. bisulcatus* var. *weiningensis*, *pankouensis*, *strangwaysi* figured as examples of Chinese “Stone Swallows”, CHANG 23 pl. vii; *S. ravana* p. 57, *marcoui* p. 58, *fasciger* p. 59, cf. *moosakhailensis* p. 60, sp. indet. I p. 61, II, cf. *rectangulus* p. 62 all figd., FREBOLD 54; *S. ravana* p. 57 fig., *marcoui* p. 58 fig., *fasciger* p. 59 fig., cf. *moosakhailensis* p. 60 fig., sp. ind. I p. 61 fig., sp. ind. II, cf. *rectangulus* p. 62 fig., FREBOLD 55; *S. cf. logani* figd. pl. i, MINATO 103; *S. grimesi* pl. 5, *rockymontanus* pl. 12, *matheri*, *opimus* pl. 14, PLUMMER 113; *S. murchisonianus*, *archiaci* figd. pl. ii, SAMSONOWICZ 128; *S. steinmanni* figd. p. 68, SCHINDEWOLF 129; *S. steinmanni* figd. p. 68, SCHINDEWOLF 129; *S. subcuspidatus*, *carinatus*, *primaeus* p. 337, *assimilis* p. 338, *arduennensis*, a. *latestriatus*, *pellico* p. 339, SOLLE 142; *S. arduennensis*, cf. *mediorhenanus* p. 190, SOLLE 143;

S. thomasi sp. n. p. 378 figd. Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. Menasha, Wis. 24 3 1950; *S.* sp. pl. ci, ciii, civ, cv, *triradialis* var. *sexradialis* pl. cv, cf. *convolutus* pl. cvi, sp. pl. cvii, *verneuili*, *tornacensisiformis* sp. n. Strunian Moroco, *striatus*, *trigonalis* pl. cviii, *tornacensis* pl. cix, *subcuspidatus* pl. ex, cf. *striatus*, *venus* pl. cxiii, *integricosta*, cf. *aperturatus*, *tornacensis*, cf. *reedi*, *triradialis* pl. cxiv, *striatus*, *cinctus*, *duplucicosta*, *bisulcatus*, *trigonalis*, *crassus*, *convolutus* pl. cxv, *striatus* var. *fascicostata*, cf. *bisulcatus* pl. cxvi, p. 84, 85, TERMIER & TERMIER 154.

†*Spirifer* (*Choristites*) cf. *fritschii* p. 63 fig., sp. ind. p. 65 fig., *fulmari* p. 66 fig., FREBOLD 55; *S.* (C.) cf. *fritschii* p. 63, sp. indet. p. 65, *fulmari* p. 66 all figd., FREBOLD 54.

†*Spirifer* (*Delthyris*) *falco* p. 79 pl. cxii, TERMIER & TERMIER 154.

†*Spirifer* (*Spiriferella*) *saranae* var. *arctica* p. 66 fig., FREBOLD 55; *S.* (S.) *saranae* var. *arctica* p. 66 figd., FREBOLD 54.

†*Squamularia perplexa* figd. pl. 12, PLUMMER 113.

†*Syringothyris exsuperans* p. 308 fig., DAVID & BROWNE 37; *S. cuspidata* pl. cviii, sp., *carteri*, *cuspidata* pl. cix, *jourdyi*, *cuspidata* pl. cxiii p. 90, TERMIER & TERMIER 154.

†*Torynifer* (*Kitakamithyris*) *tyoanjiensis* figd. pl. i and listed but not described. *Kitakamithyris* presumably nom. nud. *semicircularis*, *hikoroitiensis* listed only p. 282, Upper Palaeozoic Etroeung or L¹. Carboniferous Tournaisian Kitakami Mts., Japan, MINATO 103.

†*Torynifer* (*Nebenothyris*) sp. listed p. 282 [*Nebenothyris* presumably nom. nud.] *inflata* p. 287, Etroeung or Lower Carboniferous Tournaisian, Kitakami Mts., Japan, MINATO 103.

SPIRIFERINIDAE

†*Cyrtina hamiltonensis*, *acutirostris* pl. civ, sp. pl. cxvi, cxviii, *amblygona*, sp. *heteroclyta* cxviii p. 89, 90, TERMIER & TERMIER 154; *C. heteroclyta* figd. p. 462, 511, SAMSONOWICZ 128.

†*Punctospirifer insculptus* pl. cxvi, *laminosus* pl. cxviii p. 91, TERMIER & TERMIER 154; *P. transversa* figd. pl. 14, *kentuckyensis* pl. 19, PLUMMER 113.

†*Spiriferina cristata* figd. pl. iii, WAGENBRETH 165; *S. sampelayoi* specimen in Geol. Inst. Madrid, BATAILLER 4 p. 201.

ROSTROSPIRACEA

MERISTELLIDAE

†*Merista herculea*, *securus*, *passer* pl. cxviii p. 94. TERMIER & TERMIER 154.

†*Meristella bellensis* sp. n. Lower Devonian Tasmania, GILL Pap. Roy Soc. Tasmania 1949 1950 p. 248; *M. tumida* pl. cxviii, *primula*, cf. *primula* pl. cxx p. 94, TERMIER & TERMIER 154.

ATHYRIDAE

†*Actinoconchus* sp. p. cxix p. 93, TERMIER & TERMIER 154.

†*Athyris concentrica*, *undata*, *erbrayi*, *subconcentrica*, *lamellosa* *glabistria*, *globularis*, cf. *squamigera* pl. cxix, *campomanesi*, *concentrica*, sp., cf. *reticularis*, nov. sp. pl. cxx, sp. pl. cxvii p. 92, TERMIER & TERMIER 154; *A. sinerizi* sp. n. p. 8 fig. pl. i, ii, Devonian Spain, ALMELA & REVILLA Notas y. Com. Inst. Geol. Min. Esp. 20 1950; *A. ezquerrai* specimen in Geol. Inst. Madrid, BATAILLER 4 p. 100; *A. royssiana* p. 69 figd., FREBOLD 54; *A. royssiana* p. 69 fig., FREBOLD 55; *A. lamellosa* pl. 5, PLUMMER 113; *A. avirostris* p. 339, SOLLE 142; *A. cf. avirostris* Wolf non Krantz = *A. undata* p. 190, SOLLE 143.

†*Cleiothyridina incrassata*, *prouti* figd. pl. 5, *orbicularis* pl. 12, *sublamellosa* pl. 17, PLUMMER 113; *C. humerosa* sp. n. p. 383 figd., *vestita* sp. n. p. 384 Upper Devonian or Lower Mississippian (Aplington) Iowa, STAINBROOK J. Paleont. 24 3 1950; *C.* sp., *roissyi*, pl. cxix p. 93, TERMIER & TERMIER 154.

†*Composita pusilla* figd. pl. 8, *ovata* pl. 12, PLUMMER 113; *C. ozarkana* figd. pl. 11, PLUMMER 113; *C. ambigua* pl. cxix p. 93, TERMIER & TERMIER 154.

†*Spirigerella harrisoni* sp. n. p. 33 fig., Middle Permian Iran, DOUGLAS Palaeont. Indica. (N.S.) 22 7 1950.

RHYNCHOSPIRINIDAE

†*Eumetria osagensis*, *altirostris* figd. pl. 5, PLUMMER 113.

†*Hustedia* cf. *mormoni* pl. exxii p. 95, TERMIER & TERMIER 154.

†*Retzia haidingeri*, ? sp. pl. cxxi p. 94, TERMIER & TERMIER 154.

†*Trigeria adrieni* pl. cxxi, cxxii p. 95, TERMIER & TERMIER 154.

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CENTRONELLIDAE

†*Centronella* sp. pl. cxxii, TERMIER & TERMIER 154.

†*Renssaelaeria* sp. pl. cxxii p. 97, TERMIER & TERMIER 154.

STRINGOCEPHALIDAE

†*Bornhardtina triangularis* figd. p. 67, SCHINDEWOLF 129.

†*Newberria amygdala* figd. p. 464, 513, SAMSONOWICZ 128.

†*Stringocephalus burtini* similarity in external form to, and difference in internal structure from *Bornhardtina triangularis* & *Spirifer steinmanni* p. 67, 68, SCHINDEWOLF 129.

MEGANTERIDAE

†*Meganteris ovata* p. 340, SOLLE 142; *M. inornata*, *archiaci* pl. cxxi, cf. *archiaci* pl. cxxii p. 96, TERMIER & TERMIER 154.

DIELASMATIDAE

†*Cryptonella rhenana* p. 340, SOLLE 142; *C. rhenana* Wolf non Drevermann identity discussed, SOLLE 143 p. 190; *C. cf. planirostra* pl. xcvi, xcix p. 96, TERMIER & TERMIER 154.

†*Dielasma* sp., *hastatum*, *canaliferum*, *sacculum* pl. cxxi, sp. pl. cxxii p. 97, TERMIER & TERMIER 154. *D. elongata* from Permian Co. Durham, growth and sexual dimorphism, WESTOLL 169.

†*Terebratula* (*Cryptonella*) *bordini* p. 200 *schulzi* p. 201, specimen in Geol. Inst. Madrid, BATALLER 4.

TEREBRATULIDAE

Abyssothyris genus discussed, *wyvillei* p. 101 figd., *meneghiniana*

Pliocene Italy may belong to this genus p. 102, HERTLEIN & GRANT 74.

†*Antiptychina* defined, *voultensis*, *lateloba* figd. p. 24, CHARLES 25.

†*Carneithyris daviesi*, *circularis* figd. p. 255, ZACHARIEVA-KOVAČEVA 176.

Cnismatocentrum discussed, *sakhalinensis* p. 94 figd., HERTLEIN & GRANT 74.

†*Concinnithyris bulla* p. 255 figd., ZACHARIEVA-KOVAČEVA 176.

†*Dictyothyris coarctata* figd., cf. *trigerie* p. 22, CHARLES 25.

†*Disculina* defined, *hemisphaerica* p. 13, CHARLES 25.

†*Eogryphus* gen. n. p. 88 type-species, *E. tolmanni* sp. n. p. 89, *t. ynezensis* subsp. n. p. 90 figd., Eocene Western N. America, HERTLEIN & GRANT Publ. Univ. Californian Math. Phys. Sci. 3 1944.

†*Gibbithyris grandis* p. 258 figd., ZACHARIEVA-KOVAČEVA 176.

†*Glossothyris grossourei* figd. p. 20, *douvillei* figd. p. 22, CHARLES 25.

†*Gryphus schencki* sp. n. p. 43 figd. Lower Miocene Japan, HAYASAKA & HATAI Short papers IGPS 2 1950; *G.* discussed p. 90, *oakvilleensis* p. 92, *washingtonensis* sp. n. p. 93 figd. Eocene Washington Western N. America, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

Gryphus discussed p. 90, *clarkeana* p. 91 figd., HERTLEIN & GRANT 74.

Liothyrella genus discussed, *moseleyi* p. 97 figd., *uva* p. 98 figd., HERTLEIN & GRANT 74.

†*Magnithyris truncata* figd. p. 256, ZACHARIEVA-KOVAČEVA 176.

†*Miogryphus* gen. n. type-species, *M. willetti* sp. n. p. 95 figd., Miocene California, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

†*Terebratula cortazari*, *sampelayoi* specimen in Geol. Inst. Madrid, BATALLER 4 p. 202; *T. gattarensis* sp. n. p. 115, *chiesai* sp. n. p. 116, *rossii* sp. n. p. 117; *desioi* sp. n. p. 118 all figd., BRUNO 16; *T. sodensis* sp. n. Maestrichtian Libya, BRUNO Riv. ital. Paleont.

Milano 56 2 1950 p. 65; *T. uaddannsis* sp. n. p. 29 figd., *tamelensis* sp. n. p. 30 figd., *chebirensis* sp. n. p. 31 figd., *fezzanensis* sp. n. p. 32 figd. Maestrichtian Libya, BRUNO Rev. ital. Paleont. Milano 56 1 1950; *T. ovoides*, *stephani* var. *ventricosa*, *ingens* figd. p. 13, *richardsoni*, *matisconensis*, *globata*, var. *oppeli* figd. p. 14, *intermedia*, var. *fyigia*, *germanica*, *phillipsi*, *dorsoplicata* figd. p. 15, *subcanaliculata*, *birmensdorfensis*, var. *stockari* figd., *submaxillata* p. 17 *circumdata*, *sphaeroidalis*, *baltizeri* figd., cf. *nebrodensis* p. 18, CHARLES 25; *T. subrotunda* p. 11, var. *subundata*, *obesa*, *diphimorpha*, *dutempleana* p. 12 figd., COLLIGNON 28; *T. sella* figd. p. 27, *dutempli* p. 27, COLLIGNON 29; *T.* discussed p. 84, Cretaceous and Tertiary species listed and discussed p. 85, 86, *coreyi* sp. n. Eocene California, p. 87 figd., spp. p. 88, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.; *T. cf. gumbeli* p. 161, MALARODA 100; *T. ampulla* var. *plicata* p. 106 a. var. *complanata* p. 107, MAXIA 101; *T. euryptycha*, NICOLAÏ 108 p. 154; *T. subsella* figd. Upper Jurassic Harz, UMBGROVE 164 p. 162; *T. elongata* figd. pl. iii, WAGENBRETH 165; *T. minor* figd., p. 251, *balkanicus*, *stringocephaloides* figd. p. 252, *bakalowi* p. 253 figd., *biplicata* p. 256 figd., *ciplyensis*, *mobergi* figd. p. 258, *dutempliana* [err pro *dutempleana*], *obesa* figd. p. 259, *fallax* figd. p. 260, ZACHARIEVA-KOVAČEVA 176.

Terebratula vitrea figd. Mediterranean, UMBGROVE 164 p. 162.

†*Terebratula* (*Carneithyris*) *carnea* p. 249 figd., var. *elongata*, var. *incisa* figd. p. 250, ZACHARIEVA-KOVAČEVA 176.

†*Terebratula* (*Cererithyris*) *intermedia* WETZEL 170 p. 112.

†*Terebratula* (*Chatwinothyris*) *lens* figd. p. 251, ZACHARIEVA-KOVAČEVA 176.

†*Terebratula* (*Concinnithyris*) aff. *abrupta* figd. p. 254, ZACHARIEVA-KOVAČEVA 176.

†*Terebratula* (*Gibbithyris*) *subrotunda* var. *nilssoni* p. 253 figd., ZACHARIEVA-KOVAČEVA 176.

†*Terebratulina kiiensis* p. 55, *hanzawai* sp. n. p. 55, 57 fig., HATAI 68; *T.* discussed p. 67, *crossei* p. 68, *kiiensis* p. 71, *retusa* p. 73, *tejonensis* p. 75, *i. waringi* subsp. n. Eocene p. 77, *unguicula* p. 79, *u. weaveri* subsp. n. p. 81 Oligocene, *washingtoniana* p. 83 figd., HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944; *T.* sp. p. 7 figd. from Eocene of Czechoslovakia, LORENC 97; *T. asperula* p. 161 figd.,? sp. figd. p. 162, MALARODA 100; *T.* sp., NICOLAÏ 108 p. 154; *T. striata* p. 261 figd., ZACHARIEVA-KOVAČEVA 176.

Terebratulina discussed p. 67, *crossei* p. 68, *kiiensis* p. 71, *retusa* p. 73 *unguicula* p. 79, HERTLEIN & GRANT 74; *T. caput-serpentis* p. 462 figd. pl. cxix, BRONSTEIN 14; *T.* Recent shells from Maine figured., BUCHSBAUM 19 pl. p. 172/4.

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MEGATHYRIDAE

†*Argiope* sp. figd. pl. iii, ALMELA & REVILLA 2; *A.* sp. figd. pl. viii, HILTERMANN 76.

†*Argyrotheca* genus discussed p. 102, spp. discussed p. 104, HERTLEIN & GRANT 74.

Argyrotheca genus discussed p. 102, spp. discussed, *lowei* sp. n. p. 104 figd. Recent California, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

PLATIDIIDAE

Morrisia genus discussed p. 107, HERTLEIN & GRANT 74.

†*Morrisia* genus discussed p. 107, *hornii* p. 110, HERTLEIN & GRANT 74.

†*Platydia* genus discussed p. 106, HERTLEIN & GRANT 74; *P. cf. anomioides* p. 162 figd., MALARODA 100.

Platydia genus discussed p. 106, HERTLEIN & GRANT 74.

DALLINIDAE

†*Campages basilanica* p. 56, HATAI 68.

†*Dallina nanaoensis* sp. n. Lower Miocene Japan, HAYASAKA & HATAI Short papers IGPS 2 1950 p. 44 figd.

Diestothyris genus discussed p. 112, *frontalis* p. 114 figd., HERTLEIN & GRANT 74. *D. frontalis* post-embryonic development and variability of adult stages, KONJUKOVA 85 p. 9.

†*Diestothyris* genus discussed p. 112, HERTLEIN & GRANT 74.

†*Hamptonina* genus described, development of loop of *H. buckmani* p. 429 pl. iv, ELLIOTT 45.

†*Kingena asperulina* figd. p. 28, COLLIGNON 29; *K.* genus and species discussed p. 151 (?) *simienseis* p. 153, HERTLEIN & GRANT 74.

Kingena genus and one possible species discussed p. 152, HERTLEIN & GRANT 74.

†*Macandrevia* genus and species discussed p. 153, HERTLEIN & GRANT 74.

Macandrevia genus discussed p. 153, *americana* p. 154, *a. diegensis*, *craniella* p. 156, *diamantina* p. 157, HERTLEIN & GRANT 74.

†*Terebratalia coreanica* p. 55, HATAI 68; *T.* genus discussed spp. discussed p. 117, 118, *arnoldi* sp. n. p. 119 Pliocene California, *arnoldi etchegoini* subsp. n., *a. quaylei* subsp. n. p. 122 figd., Miocene, *hemphilli* p. 123, *jordani* sp. n. Pliocene, *kennedyi* p. 125, *lata* p. 126, *occidentalis* p. 129, *o. obsoleta* p. 131, *smithi* p. 133, *sookensis* p. 134, *transversa* p. 135, *t. caurina* p. 138, sp. p. 143, HERTLEIN & GRANT Publ. Univ. California Math. Phys. Sci. 3 1944.

Terebratalia genus and spp. discussed p. 117, 118, key to species p. 119, *occidentalis* p. 129, *o. obsoleta* p. 131, *transversa* p. 135, *t. caurina* p. 138, HERTLEIN & GRANT 74.

†*Trigonosemus elegans* p. 265 figd., ZACHARIEVA-KOVAČEVA 176.

Waldheimia cranium p. 462 figd. pl. cxix, BRONSHTEIN 14.

stages, KONJUKOVA 85; *L. californicus* internal characters of both valves figured with lophophore in place, BUCHSBAUM 19 pl. p. 172/4.

†*Pictothyris picta* p. 56, HATAI 68.

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†*Bouchardia exigua* sp. n. p. 279 figd. U^r. Cretaceous (Danian) Argentine Tierra del Fuego, FURQUE & COMACHO Rev. Assoc. Geol. Argentine 4 4 1949.

†*Bouchardiella patagonica* figd. from Danian of Tierra del Fuego p. 279, FURQUE & COMACHO 56.

†*Magallania fueguina* sp. n., *humilis* sp. n. p. 278 figd. Upper Cretaceous Argentine, Tierra del Fuego, FURQUE & COMACHO Rev. Assoc. Geol. Argentine 4 4 1949; *M.* sp. figd. p. 28, COLLIGNON 29; *M.* genus discussed fossil and recent p. 158, HERTLEIN & GRANT 74.

†*Neothyris* subgen. of *Magallania*, *venosa* p. 160, spp. discussed p. 163, 164, HERTLEIN & GRANT 74.

Neothyris subgen. of *Magallania* p. 159, *venosa* p. 160, *wyvillei* p. 165, HERTLEIN & GRANT 74.

†*Terebratella dubiosa*, *solitaria peterseni* spp. n. p. 280 figd. U^r. Cretaceous (Maestrichtian-Danian) Argentine Tierra del Fuego, FURQUE & COMACHO Rev. Assoc. geol. Argentine 4 4 1949; *T. marini* p. 201, *riosi*, *lujani*, *vidali* p. 202 specimen in Geol. Inst. Madrid, BATALLER 4; *T.* genus discussed p. 165, *dorsata* p. 166, HERTLEIN & GRANT 74.

Terebratella genus discussed p. 165, *dorsata* p. 166, *enzenspergeri* at Kerguelen I. p. 171, *submutica* (= *sowerbii* King & Broderip 1832 non *sowerbyi* DeFrance 1828), HERTLEIN & GRANT 74.

INCERTAE SEDIS

ZEILLERIIDAE

†*Aulacothyris carinata*, *meriani*, *curvifrons* figd. p. 25, CHARLES 25.

†*Eudesia cardium* figd. p. 22, CHARLES 25.

†*Flabellothyris* defined, *bessina edwardsi* figd. p. 23, CHARLES 25.

LAQUEINIDAE

†*Laqueus rubellus* p. 56, HATAI 68.

Laqueus genus discussed p. 143, *californianus* p. 144, *vancouveriensis* p. 147, HERTLEIN & GRANT 74. *L. californicus* lophophore and loop development and variability of adult

†*Terebrirostra incurvirostris* recorded from Cretaceous Folkestone Beds Folkestone district, CASEY 21 p. 8.

†cf. *Waldheimia davidsoniana* figd., MALARODA 100.

†*Zeilleria cadomensis* figd. p. 23, *bathonica*, var. *bathiensis* figd. p. 24, CHARLES 25; *Z. moutoni* figd. from Madagascar, COLLIGNON 27 p. 57.

ERRATUM

STROPHOMENIDAE

Idioglyptus Northrop Spec. Pap. geol. Soc. Amer. 21 1939 p. 172 type-species *I. stigmatus* sp. n. Silurian Gaspé. (Recorded erroneously in Z.R. (Brachiopoda) for 1941 p. 8 as *Pioglyptus* gen. n.).